

PUB. SEWER STATUS VERIFIED BY _____

ISSUE DATE: 09/24/07

P 527816

APPROVAL DATE: 9/28/07 *(KW)*

A UPGRADE

PERMIT

Tax ID # 04-310640

ON-SITE SEWAGE DISPOSAL SYSTEM HOWARD COUNTY HEALTH DEPARTMENT BUREAU OF ENVIRONMENTAL HEALTH

Hatfields Equipment IS PERMITTED TO INSTALL ALTER

ADDRESS: PO Box 519, Annapolis Junction 20701 PHONE NUMBER: 301-490-4289

SUBDIVISION: _____ LOT: _____

ADDRESS: 16460 Ed Warfield Road PROPERTY OWNER: Dennis Dishman

SEPTIC TANK CAPACITY (GALLONS): _____

PUMP CHAMBER CAPACITY (GALLONS): _____

NUMBER OF BEDROOMS: _____

SQUARE FEET PER BEDROOM: _____

LINEAR FEET OF TRENCH REQUIRED: _____

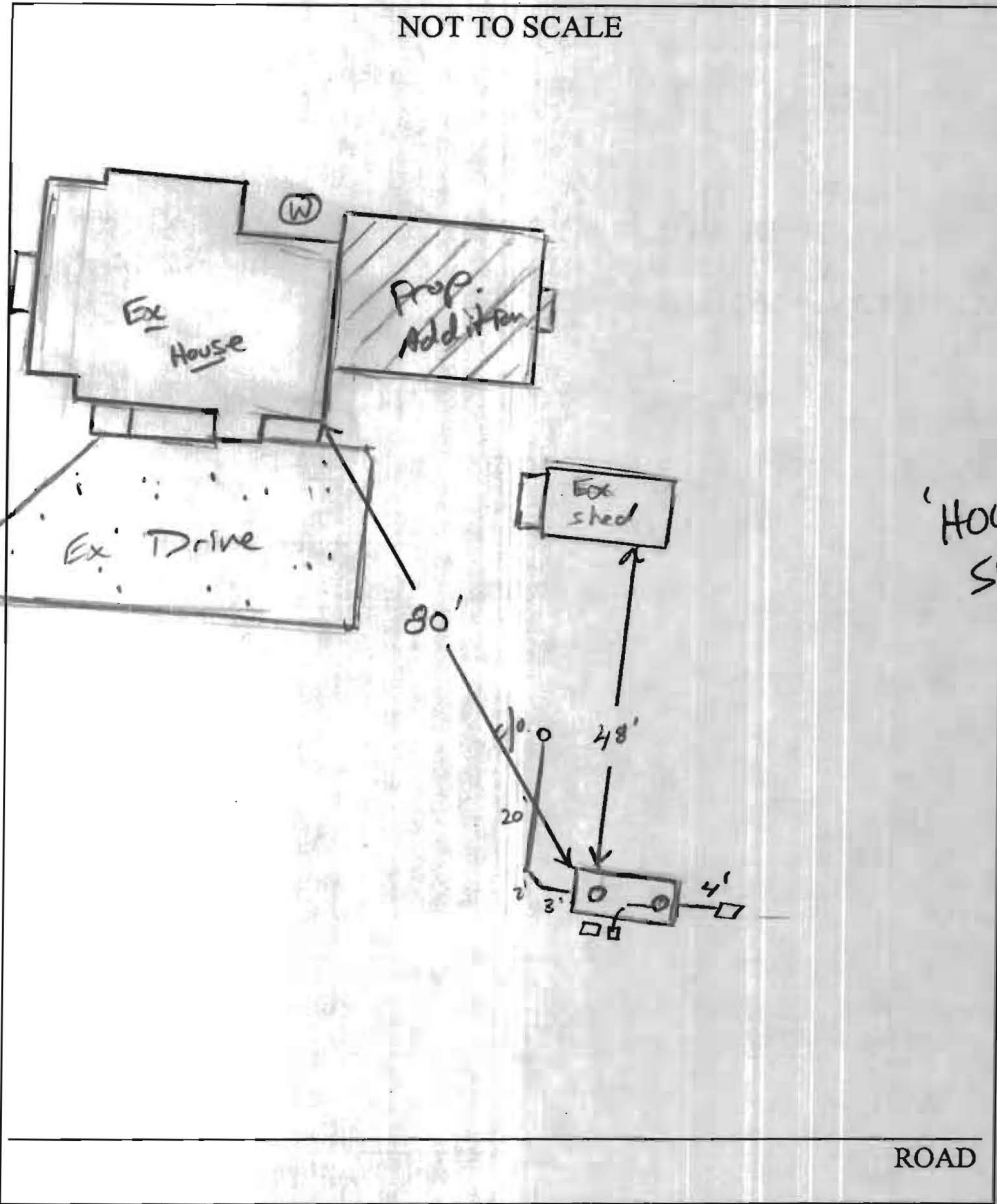
TRENCHES:	Trench to be _____ feet wide. Inlet _____ feet below original grade. Bottom maximum depth _____ feet below original grade. Effective area begins at _____ feet below original grade. _____ feet of stone below distribution pipe.
LOCATION:	<i>for tank replacement</i>
PURPOSE:	Permit issued in support of building permit B06005379. Call for inspection when ground is opened so sanitarian can recommend repair.

PLANS APPROVED: _____ DATE: _____

- NOTE: PERMIT VOID AFTER 2 YEARS
- NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
- NOTE: WATERTIGHT SEPTIC TANKS REQUIRED
- NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL
- NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS

NEITHER THE HOWARD COUNTY COUNCIL OR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT CALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM

NOT TO SCALE



TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
_____	_____	_____
NUMBER OF TRENCHES _____		
TOTAL LENGTH _____		
ABSORPTION AREA _____		
DISTRIBUTION BOX LEVEL _____		
DISTRIBUTION BOX BAFFLE _____		
DISTRIBUTION BOX PORT _____		

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL _____

CAPACITY _____ GAL

SEAM LOC _____

TANK LID DEPTH _____

BAFFLES _____

BAFFLE FILTER _____

MANHOLE LOC _____

6" PORT LOC _____

WATERTIGHT TEST _____

SEPTIC TANK 2 LEVEL _____

CAPACITY _____ GAL

SEAM LOC _____

TANK LID DEPTH _____

BAFFLES _____

BAFFLE FILTER _____

MANHOLE LOC _____

6" PORT LOC _____

WATERTIGHT TEST _____

PRE-CONSTRUCTION _____

INSTALLATION 9/28/07 Arrived late due to a busy day. Contractor had everything backfilled. Tanks (Hoot's sys) installed per plan. Contractor had me, representative was there the whole time. compressor pump installed by electrician. Alarm verified in field. a/c to backfill. 15

FINAL INSPECTOR J. Way DATE OF APPROVAL 9/28/07

**AGREEMENT AND EASEMENT FOR INSTALLATION
OF BEST AVAILABLE TECHNOLOGY SYSTEMS
WITH BAY RESTORATION FUNDS.**

THIS AGREEMENT is made this 30th day of August, among Dennis & Patricia Dishman, hereinafter referred to as "Owner," the ~~Howard~~ Howard County Health Department hereinafter collectively referred to as the "County," and the Department of the Environment, hereinafter referred to as the "Department."

WHEREAS, Owner owns a tract of land located on 16460 Ed Warfield Road, in the 4th Election District of Howard County, Maryland, and the deed to same is recorded among the Land Records of Howard County, Maryland, in Ellicott City.

NK
TH

WHEREAS, the Bay Restoration Fund (BRF) may provide a grant for the cost attributable to upgrading an onsite sewage disposal system to the Best Available Technology (BAT) for the removal of nitrogen.

WHEREAS, the BRF may also provide a grant for the cost difference between a traditional onsite sewage disposal system and a system that utilizes the BAT for the removal of nitrogen.

NOW, THEREFORE, the parties hereto agree as follows:

- A. Owner hereby grants to the Department and the County the right to enter upon the property at any reasonable time for access to the system to make periodic inspections and the Owner agrees to provide any information and data requested and needed by the Department to develop accurate and thorough test results.
- B. Owner acknowledges and agrees that a manufacturer-approved installer will install the BAT system.
- C. Owner acknowledges and agrees the manufacturer will provide for Operation and Maintenance of the BAT for a period of 5 years as a condition of sale of the BAT. After the 5 year

period the Operation and Maintenance contract can be further extended at the behest of the property owner. The Department and County encourage the property owner to continuously maintain an Operation and Maintenance contract during the lifetime of the system.

- D. Owner acknowledges and agrees that the manufacturer appointed Operation and Maintenance provider will have access to the BAT system at all times.
- E. Owner acknowledges and agrees that the manufacturer or manufacturers designee will have access to sample the effluent of the BAT system. Owner acknowledges and agrees that the proposed installation of a BAT system funded by the BRF is voluntary. Owner agrees that there shall be no liability on the part of the County or Department to Owner if this BAT system fails, and that the County and the Department do not warrant or guarantee that the BAT system will adequately or properly function.
- F. Owner acknowledges and agrees that neither the County nor the Department nor any of its agents or employees, either officially or individually, underwrites the operation of any system approved by them.
- G. The Owner will devote such care and effort to the maintenance of the BAT system so that any malfunction is not the result of poor maintenance, faulty operation, or neglect.
- H. The Department and/or County agree to grant \$ 13,280 toward the cost of installation of the BAT System, and financial responsibility is limited to this amount. Owner will present to the County at least 3 proposals from manufacturer and County certified system installers demonstrating the total cost of installation. Operating costs will be at the Owner's expense.
- I. The Owner acknowledges that the BRF grant can only be used for that portion of the OSDS attributable to (BAT) for the removal of nitrogen.

- J. Owner acknowledges in the event the total project cost is greater than \$25,000 the proposal will have to be approved by the Maryland State Board of Public Works.
- K. The Owner agrees to contact both the Water Management Administration, On-Site Systems Division of the Wastewater Permits Program and the County at least forty-eight (48) hours prior to system installation, so that the Department has the opportunity to be present at the time of installation or thereafter for inspection.
- L. The Owner must install BAT system according to the manufacturer recommended plans and specifications approved by the Department.
- M. The Owner agrees and acknowledges that if installation deviates substantially from the approved plans or changes such that performance of the system is compromised or reduced, BRF funding will not be provided.
- N. This agreement shall run with the land and binds the Owner, his heirs, successors, assigns except that the provisions of paragraph A, C, D and E shall be binding for a period of 5 years only after installation of the system and occupation of the home. Owner further agrees that he shall inform in writing any purchaser or lessee of the property that the system may require maintenance or other attention. The Owner agrees to record this agreement in the land records of Howard County.
- O. This agreement shall not be construed to limit any authority of the Department to protect the public health, safety or comfort or to issue any other orders to take any other action that is now or may hereafter be within its authority.
- P. This agreement may be voided at the discretion of the Department if the system construction is not completed within six (6) months of the effective date of this agreement.
- Q. This agreement contains the entire agreement and understanding between the County and the Owner and the Department. There are no additional terms other than as contained in this

agreement. This agreement may not be modified except in writing signed by each of the parties or by their authorized representatives.

R. The laws of the State of Maryland govern the provisions of all transactions pursuant to this agreement.

IN WITNESS WHEREOF, the parties have signed and sealed this agreement on the date indicated above.

DATE: 9/8/07

DATE: 9/6/07

DATE: _____

[Signature] / Patricia Ann Dishman

Owner

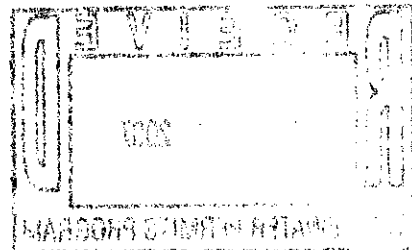
Dennis Dishman Patricia Dishman

[Signature]
Jay Prager, Deputy Division Chief,
Wastewater Permits Program
Maryland Department of the Environment

County _____

WITNESSES

IMP FD SURE \$ 0.00
RECORDING FEE 0.00
TOTAL 0.00
Res#CH05 Rcpt#999999
HDR FAT BIK#289
Sep 10, 2007 12:44 PM





MARYLAND DEPARTMENT OF THE ENVIRONMENT

1800 Washington Boulevard • Baltimore MD 21230

410-537-3000 • 1-800-633-6101

Martin O'Malley
Governor

Shari T. Wilson
Secretary

Anthony G. Brown
Lieutenant Governor

Robert M. Summers, Ph.D.
Deputy Secretary

September 6, 2007

Dennis & Patricia Dishman
16460 Ed Warfield Road
Woodbine, MD 21797

RE: Tax Map 13, Block 22, Parcel 126

Dear Mr. & Mrs. Dishman:

Your bid package for the Bay Restoration Fund (BRF) Onsite Sewage Disposal System (OSDS) Program has been approved for the use of funds totaling not more than \$13,280. The accepted bid amount is for the installation of a HOOT 600 BNR for your property located at 16460 Ed Warfield Road, Woodbine, MD and shown on Tax Map 13, Parcel 126. You may choose to deviate from the selected unit, however the grant award for acceptable reimbursable expenses may not exceed \$13,280. All grants awarded through the Maryland Department of the Environment (MDE) are reimbursable. This means that all work done prior to this letter cannot be considered for reimbursement. In order to be eligible for reimbursement you must sign and record a copy in the land records of Howard County the Agreement and Easement for Installation of Best Available Technology Systems with Bay Restoration. You must provide MDE with the following:

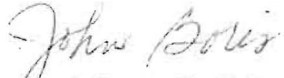
- The contractors' invoice. This invoice should include everything quoted in the bid. All expenditures greater than the bid amount will not be covered.
- A copy of the installation inspection performed by the Howard County Environmental Health program.
- A signed statement from the BAT Manufacturer that the unit was installed to their specific installation instructions.
- A signed statement that all work completed has met your satisfaction.
- A completed State Grant or Loan Payment Disbursement Request Form
- A copy of the Agreement and Easement for Installation of Best Available Technology Systems with Bay Restoration that shows that it has been recorded in the land records of Howard County.

All submitted documentation would be reviewed for compliance. Once all documentation is submitted, you will receive a payment directly from the State Comptroller's office.

Mr. & Mrs. Dishman
Page Two

The Maryland Department of the Environment thanks you for participating in this important program. If you have any further questions, please feel free to contact me at 410-537-3678 or 800-633-6101 ext 3678 or email at jboris@mde.state.md.us.

Sincerely,



John A. Boris, Jr., R.S.
Bay Restoration Fund Project Manager

Enclosure

cc: Jay Prager
Howard County Health Department ✓
Jag Khuman, WQFA



MARYLAND DEPARTMENT OF THE ENVIRONMENT

1800 Washington Boulevard • Baltimore MD 21230
410-537-3000 • 1-800-633-6101

Martin O'Malley
Governor

Shari T. Wilson
Secretary

Anthony G. Brown
Lieutenant Governor

Robert M. Summers, Ph.D.
Deputy Secretary

July 3, 2007

Dennis & Patricia Dishman
16460 Ed Warfield Road
Woodbine, MD 21797

RE: Tax Map 13, Block 22, Parcel 126, Lot 3

Dear Mr. & Mrs. Dishman:

Thank you for completing a pre-application for the Bay Restoration Fund (BRF) Onsite Sewage Disposal System (OSDS) Program. This pre-application is for your property located at 16460 Ed Warfield Road, Woodbine, and shown on Tax Map 13, Parcel 126. A review of the pre-application indicates a high priority for funding. This letter is to notify you of preliminary approval for funding from the BRF for the installation of best available technology (BAT) for removing nitrogen as part of your on-site sewage disposal system.

This notification letter is intended to assist you through the process of obtaining proper BAT installation bids and invoicing procedures to obtain funding from the BRF. The following sections outline the requirements necessary for proceeding with the project.

Submission of Bids

Three bids must be submitted to MDE for review. If you are unable to obtain three bids you must submit to MDE a written record of your attempts to obtain a minimum of three bids. Bids must include the following:

- Notice that the installation will not be considered complete until the manufacturer or manufacturers designee provides notice that the job has been satisfactorily completed. A manufacturer certified contractor might also serve as the manufacturer designee. The installer, whether they are a manufacturer representative or one chosen by the property owner, must submit an installation quote with each bid or the bid will be considered incomplete.
- An agreement for a minimum of five years operation and maintenance by a manufacturer approved service provider.
- Manufacturers must have an approved sampling protocol on file at MDE.
- Bids must be itemized. The bid is to include the cost of the unit and the installation cost of the unit. Only the components and labor directly related to upgrading an onsite sewage disposal system to the best available technology for removing nitrogen are eligible for funding.
- Manufacturers should respond to your request for bids within 14 days. After 14 days from your request for bids, you may submit to MDE the bids received and a list consisting of the manufacturers and manufacturers contact that did not respond to your request for a bid.

Mr. & Mrs. Denna Dishman
Page Two

The following manufacturers have undergone MDE review and are eligible for BRF grants:

Aquapoint, Inc. (Bioclere™ Model) www.aquapoint.com

Contact: Robbie Tippet (240) 298-7572 rtipp4@aol.com
Sam Seymour (585) 473-3300 sseymour@aquapoint.com

Bio-Concepts, Inc. (ReCip® RTS) www.bioconceptsinc.com

Contact: Al Privette (252) 249-7040 alprivette@coastal.net

Bio-Microbics, Inc. (MicroFAST® & RetroFAST®) www.biomicrobics.com

Contact: Freemire & Associates (410) 768-8500 www.freemire.com

F.R. Mahony & Associates, Inc. (Amphidrome™ Model) www.frmahony.com

Contact: Robert Kershner (410) 581-0555 r.kershner@kettle.com

Hoot Aerobic Systems, Inc. (H-Series Hoot and Hoot BNR) www.hootsystems.com

Contact: Nancy Mayer (410) 796-1434 mayerbro@connex.net

Lombardo Associates, Inc. (Nitrex Systems) www.lombardoassociates.com

Contact: Pio Lombardo (617) 964-2924 pio@lombardoassociates.com

Norweco, Inc. (Singular Model TNT System) www.norweco.com

Contact: Eastern Shore, Randy Clark (800) 773-9128 ranjodan@yahoo.com
Western Shore, Jeff Earnshaw (301) 274-3772

SeptiTech, Inc. (SeptiTech® Model) www.septitech.com

Contact: Bruce Melton (410) 878-2952 rbrmelton@progressiveseptic.com

Waterloo BioFilter Systems, Inc. (Waterloo Biofilter Model) www.waterloo-biofilter.com

Contact: Waterloo, Ontario, Canada (519) 856-0757

Conditions of Financial Assistance

By reading and signing this form, you agree to the limitations and conditions set forth in this document. This form must be returned with your submission of bids. Your bid submission will be considered incomplete if this form does not accompany it.

Award of Grant

- MDE will review the bids. The grant award will be obligated based on the lowest acceptable bid, however the applicant may select a higher acceptable bid.
- The applicant will be notified by MDE as to the amount of the grant obligation.
- For awards greater than \$25,000 MDE must present a proposal to the Board Public Works for approval.
- No change orders will be accepted by MDE.

Mr. & Mrs. Dennis Dishman
Page Three

- The award amount is available for reimbursement within 6 months of Department signature on the Agreement and Easement document. Upon request of the applicant, the original 6-month period may be extended at the discretion of the Department.

Agreement and Easement

An Agreement and Easement must be completed, signed by all parties and recorded in the Land Records of Howard County Maryland. A draft copy of the Agreement and Easement is provided to you in this letter for your review. A completed Agreement will be provided to you after bids are submitted to MDE when you are notified of the grant approval amount. The purpose of this Agreement is to accomplish the following:

- To establish your voluntary participation in this program.
- To ensure that a minimum of five years operation and maintenance is performed by an approved provider (included in the upfront cost of the system).
- Allows access for State, County and the Manufacturer designee's to inspect and collect samples from the system.
- Establishes the amount of the grant award.

Local Permitting Requirements

- All required local permits must be obtained.
- Permit fees are not eligible for BRF funding.
- Contact Howard County Health Department for more information.

Submission of Invoice

- Upon completion of the job, owner submits an invoice to MDE.
- The invoice must include the following;
 - Notice that the job was completed to the satisfaction of the owner.
 - Notice that the job was completed to the satisfaction of the manufacturer or manufacturer's designee.
 - Contractor's invoice.

Issuance of Funds From the BRF

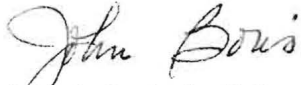
After review of the submitted invoice and associated documents, MDE will issue a check to the property owner.

Once again the Department thanks you for participating in this important program. If you have any

Mr. & Mrs. Dennis Dishman
Page Four

questions, please feel free to contact me at 410-537-3678 or 800-633-6101 ext 3678 or email at jboris@mde.state.md.us .

Sincerely,



John A. Boris, Jr., R.S.
Bay Restoration Fund Project Manager

Enclosure

cc: Jay Prager
Local Health Department ✓